

## Vacuum pump of the type having a Gaede channel

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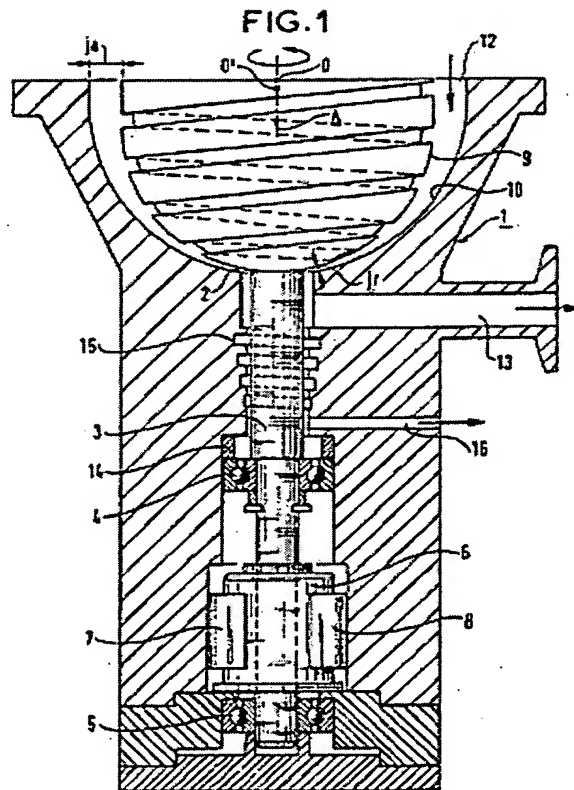
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Abstract of corresponding document: **US5011368**

A vacuum pump of the type having a Gaede channel, the pump comprising a stator (1) and a rotor (2) driven to rotate inside the stator, the stator including a suction inlet (12) and a delivery outlet (13). The active portion of the rotor situated between the suction inlet and the delivery outlet is hemispherical in shape (9) and is disposed inside a cavity (10) of the stator which is likewise hemispherical in shape. The axis  $\Delta$  of said rotor coincides with the said axis of the hemispherical cavity of the stator. Suction takes place at the large circle end of the hemispherical rotor via radial clearance  $j_a$  between the rotor and the stator, and delivery takes place at the pole end of the hemispherical rotor. An adjustment distance piece (14) for axially positioning the rotor (2) relative to the stator (1) is provided so that the radial delivery clearance  $j_r$  is smaller than the radial suction clearance  $j_a$ .



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